		Exploring the E	xtreme			
		2005 Scien				
Content Standards						
South Dakota Scien	ce					
Grade K						
Activity/Lesson	State	Standards				
Finding the Center of		0011440	Students are able to use scientific thinking			
Gravity Using Rulers	SD	SCI.K.1.2.a	skills of observing and communicating.			
Finding the Center of			Use non-standard units of measurement to			
		SCI.K.1.2.c				
Gravity Using Rulers	טט	3CI.K.1.2.0	compare objects.			
Finding the Center of						
Gravity Using Rulers		SCI.K.2.2.a	Students are able identify things that move.			
Gravity Comig Raioro		001.11.2.2.4	Stadents are able identity things that move.			
	1	Exploring the E	ixtreme			
		2005 Scien				
		Content Stand				
South Dakota Scien	ce					
Grade 1						
Activity/Lesson	State	Standards				
Finding the Center of			Use scientific thinking skills of observing,			
Gravity Using Rulers	SD	SCI.1.1.2.a	communicating, and comparing.			
		Exploring the E				
		2005 Scien				
South Dakota Scien		Content Stand	dards 			
Grade 2	T T					
Activity/Lesson	State	Standards				
Activity/Lesson	State	Stanuarus				
Finding the Center of			Use scientific thinking skills of observing,			
Gravity Using Rulers		SCI.2.1.2.a	communicating, classifying, and comparing.			
Training raises		00112111210	g, classifying, and comparing.			
Finding the Center of			Make predictions based on observations			
Gravity Using Rulers		SCI.2.1.2.c	rather than random guesses.			
, ,						
		Exploring the E	xtreme			
		2005 Scien	ce			
		Content Stand	dards			
South Dakota Scien	ce					
Grade 3						
Activity/Lesson	State	Standards				
Figure 6 6 4			e determine			
Finding the Center of		001011	Explain science as a process involving			
Gravity Using Rulers	2D	SCI.3.1.1.b	asking and answering questions.			
Einding the Containst			Llas appropriate matric massurement to			
Finding the Center of		SCI 2 1 2 c	Use appropriate metric measurement to			
Gravity Using Rulers	JOU	SCI.3.1.2.c	make predictions.			

		1
CD	SCI 2 1 2 d	Use appropriate metric measurement to ask
2D	SC1.3.1.2.0	questions.
		Use appropriate metric measurement to plan
SD	SCI 3 1 2 e	investigations.
<u> </u>	301.3.1.2.6	investigations.
		Use appropriate metric measurement to
SD	SCI 3 1 2 a	collect, record, chart, and/or graph data.
<u> </u>	001.0.1.2.9	concert, record, orient, and/or graph data.
		Explain science as a process involving
SD	SCI.3.1.1.b	asking and answering questions.
		garang and anonoming quotients.
		Use appropriate metric measurement to
SD	SCI.3.1.2.c	make predictions.
		Use appropriate metric measurement to ask
SD	SCI.3.1.2.d	questions.
		'
		Explain science as a process involving
SD	SCI.3.1.1.b	asking and answering questions.
		<u> </u>
		Use investigations in science to acquire
SD	SCI.3.1.2.a	knowledge.
		Use appropriate metric measurement to
SD	SCI.3.1.2.c	make predictions.
		Use appropriate metric measurement to ask
SD	SCI.3.1.2.d	questions.
		Use appropriate metric measurement to plan
SD	SCI.3.1.2.e	investigations.
		Use appropriate metric measurement to
SD	SCI.3.1.2.g	collect, record, chart, and/or graph data.
E		
		aius
State	Standards	
		Describe science as the process of asking
		and answering questions and comparing the
SD	SCI.4.1.1.b	results to what is already known.
		Use appropriate metric measurement to
SD	SCI.4.1.2.c	make predictions.
		·
		Use appropriate metric measurement to ask
SD	SCI.4.1.2.d	questions.
	SD S	SD SCI.3.1.2.e SD SCI.3.1.2.g SD SCI.3.1.2.c SD SCI.3.1.2.d SD SCI.3.1.2.a SD SCI.3.1.2.c SD SCI.3.1.2.c SD SCI.3.1.2.e SD SCI.3.1.2.e SD SCI.3.1.2.g Exploring the Example of Examples o

Finding the Center of			Use appropriate metric measurement to plan
Gravity Using Rulers		SCI.4.1.2.f	investigations.
, ,			ŭ
Finding the Center of			Use appropriate metric measurement to
Gravity Using Rulers		SCI.4.1.2.h	collect, record, chart, and/or graph data.
Finding the Center of			Describe science as the process of asking
Gravity Using Plumb			and answering questions and comparing the
Lines	SD	SCI.4.1.1.b	results to what is already known.
Finding the Center of			and the same and an array same and
Gravity Using Plumb			Use investigations in science to acquire
Lines	SD	SCI.4.1.2.a	knowledge.
Finding the Center of		001. 1. 1.Z.u	internougo.
Gravity Using Plumb			Use appropriate metric measurement to
Lines	SD	SCI.4.1.2.c	make predictions.
Finding the Center of		301.4.1.2.0	make predictions.
Gravity Using Plumb			Lice appropriate metric mecaurement to cak
Lines	SD	SCI.4.1.2.d	Use appropriate metric measurement to ask
		SC1.4.1.2.0	questions.
Finding the Center of			
Gravity Using Plumb	CD.	0014404	Use appropriate metric measurement to plan
Lines	SD	SCI.4.1.2.f	investigations.
Changing the Center			Describe science as the process of asking
of Gravity Using	0.0		and answering questions and comparing the
Moment Arms	SD	SCI.4.1.1.b	results to what is already known.
Changing the Center			
of Gravity Using			Use appropriate metric measurement to
Moment Arms	SD	SCI.4.1.2.c	make predictions.
Changing the Center			
of Gravity Using			Use appropriate metric measurement to ask
Moment Arms	SD	SCI.4.1.2.d	questions.
Changing the Center			
of Gravity Using			
Moment Arms	SD	SCI.4.1.2.e	Form a simple hypothesis.
Changing the Center			
of Gravity Using			Use appropriate metric measurement to
Moment Arms	SD	SCI.4.1.2.h	collect, record, chart, and/or graph data.
	E	xploring the Ex	
		2005 Scienc	
		Content Standa	ards
South Dakota Scien	ce		
Grade 5			
Activity/Lesson	State	Standards	
			Use appropriate metric measurement to
Jet Propulsion	SD	SCI.5.1.2.b	make observations.
			Use appropriate metric measurement to ask
Jet Propulsion	SD	SCI.5.1.2.e	questions.
·			Define variables that must be held constant
Jet Propulsion	SD	SCI.5.1.2.I	in a specific experimental situation.
<u>'</u>			Use appropriate metric measurement to
Vectoring	SD	SCI.5.1.2.b	make observations.
	_		

			Use appropriate metric measurement to
Vectoring	SD	SCI.5.1.2.c	make predictions.
Vectoring	30	301.3.1.2.0	Use appropriate metric measurement to ask
Vectoring	SD	SCI.5.1.2.e	questions.
vectoring	٥٥	301.3.1.2.6	Define variables that must be held constant
Vactoring	SD	SCI.5.1.2.I	
Vectoring	30	501.5.1.2.1	in a specific experimental situation.
		Exploring the Ex	trama
		2005 Science	
		Content Stand	
South Dakota Scie	200	Content Stand	
Grade 6			
Activity/Lesson	State	Standards	
ACIIVILY/LESSOII	State	Statiualus	
			Students are able to explain the importance
			and scientific use of a classification system
let Prepulaion	SD	SCIERI 12h	and uniform scientific communication
Jet Propulsion	30		Construct and interpret graphs from data to
Vactoring	SD		make predictions.
Vectoring	טט	.4	make predictions.
			Ctudente que able te avaleia the importance
			Students are able to explain the importance and scientific use of a classification system
\	CD.	001001406	and uniform scientific communication
Vectoring	SD	SCI.6.6.L. 1.2.D	and uniform scientific communication
		Evalering the Ev	4 romo
		Exploring the Ex 2005 Science	
Cauth Dalasta Cal		Content Stand	arus
South Dakota Scie	ence		
Grade 7	Ctoto	Cton doude	
Activity/Lesson	State	Standards	Interpret to make predictions and/or justific
\/aatarina	SD	CCI 7 7 N 0 4 a	Interpret to make predictions and/or justify
Vectoring	30	SCI.7.7.N.2.1.e	
Ma ata sina a	0.0	001771041	Analyze the benefits and potential of
Vectoring	SD	SCI.7.7.IN.2.1.K	scientific investigations.
		Familian's at the Fa	4
		Exploring the Ex	
		2005 Science	
Courth Delicate Col		Content Stand	aras
South Dakota Scie	ence		
Grade 8	Ctete	04	
Activity/Lesson	State	Standards	Control veriables to test home discount
			Control variables to test hypotheses by
Lat Duam. Lite	CD.	00100104	repeated trials and by identifying sources of
Jet Propulsion	SD	SCI.8.8.N.2.1.0	experimental error.
			Control variables to test hypotheses by
		001	repeated trials and by identifying sources of
Vectoring	SD	SCI.8.8.N.2.1.c	experimental error.
		001	Interpret data to justify predictions or
Vectoring	SD	SCI.8.8.N.2.1.d	conclusions.